

## INITIAL MEASUREMENT OF LODGEPOLE PINE

UNIVERSITY OF ALBERTA  
EDMONTON, Alberta

## PROVENANCE TRIALS

WHITEHORSE, YUKON TERRITORY

INTRODUCTION

Establishment of *Pinus contorta* provenance trials near Whitehorse, Y.T. by Yukon Lands and Forest Service was reported by Schuler in June 1974. The trees planted in May and June were measured during September and October following their initial growing season by Messrs. O. Vandenberghe and O. Schuler.

PROCEDURE

Measurements were made to the nearest centimeter for leader length and total height using a steel rule. Sequence of measurement followed procedure set forth in the "Working Plan for Lodgepole Pine Provenance Trials," 1974 (EP 657.06) (Illingsworth, B.C.F.S.). Trees were measured commencing with the centre tree in each plot as number one, the number two tree was immediately north of number one and the remainder in clockwise sequence. Condition was also rated as Thrifty (3), Poor (2) Dead (1), Not Planted (0). Damage or abnormal appearance was also briefly noted, but no attempt was made to identify casual agent except for obvious mechanical damage.

RESULTS

Measurements have not been processed or analyzed to date. Total height, leader length and observation of condition at time of measurement were tabulated for each tree. The tabulations are attached.

A total of twenty-five (25) dead trees were recorded in ten (10) of the forty (40) provenances, the remaining thirty (30) have no mortality to the time of measurement. No significance can be placed upon mortality at this early date as variations in the condition and quality of the stock and in handling may be responsible. Mortality data are recorded below:

Planting Mortality

Provenance	Site I		Site II		Site III		Total
	Block 1	Block 2	Block 1	Block 2	Block 1	Block 2	
19		1				1	2
24	1						1
25			1				1
33	1					1	2
34		1					1
39						1	1
40	1		2				3
64				1	2	1	4
65	3						3
163	6					1	7
							25

Mortality experienced to date is 1.167 percent.

*D. E. Schuler*  
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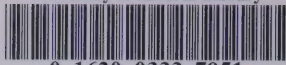
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